

ABSTRACT OF THE DISCLOSURE

5 A data traffic is monitored, and the current  
traffic state is checked. If the traffic exceeds  
a threshold a, the time interval of Inquiry Scan is  
set to a maximum value X1 to prevent communication  
performance from deteriorating due to Inquiry Scan.  
Likewise, if the traffic falls in the range of the  
threshold a to a threshold b, the time interval of  
Inquiry Scan is set to an intermediate value X2.  
10 If the traffic amount is equal to or less than the  
threshold b, the time interval of Inquiry Scan is set  
to a minimum value X3.